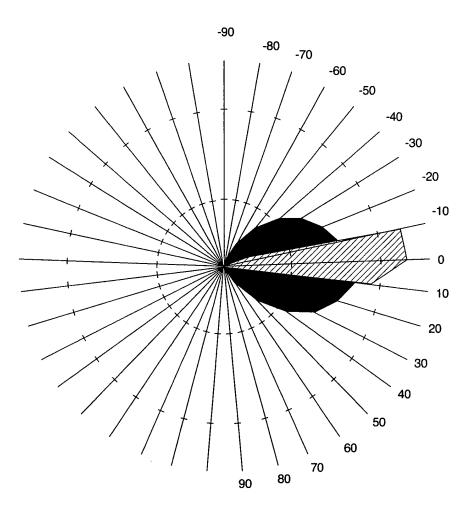


Fig. 1A

2/45
Angular Output (relative units)



■ STANDARD TO-8 PART

SMALL FILAMENT DESIGN

Fig. 1B

Drive Power (Constant Current)

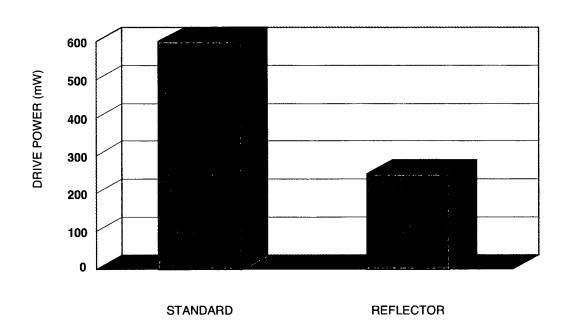


Fig. 1C

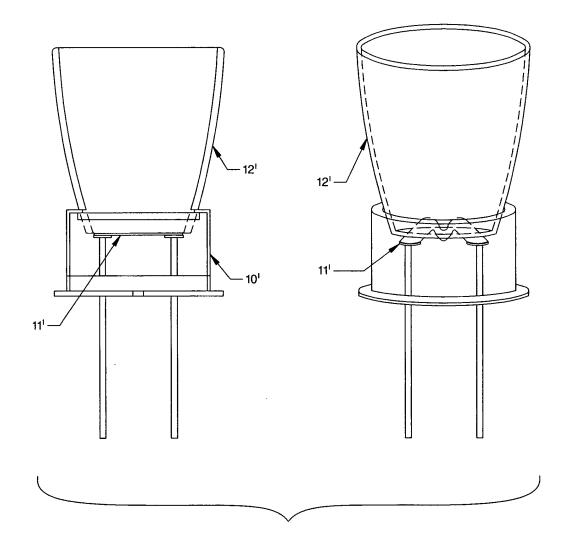


Fig. 1D

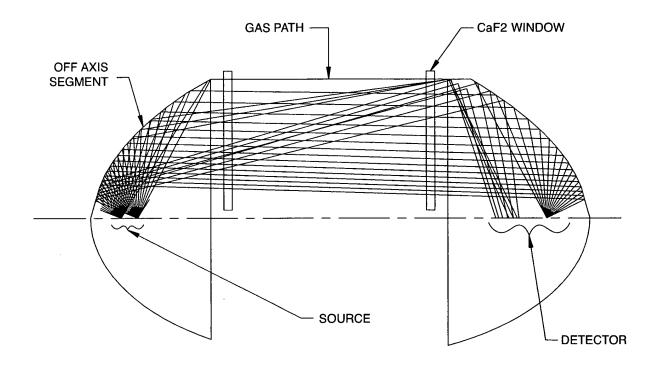


Fig. 2

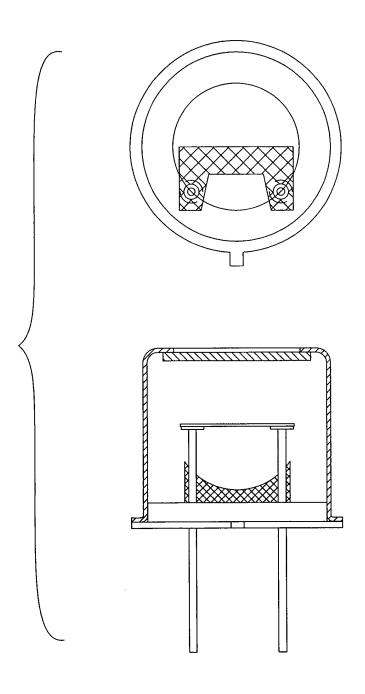


Fig. 3A

7/45

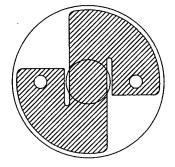


Fig. 3B

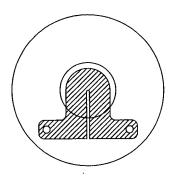


Fig. 3C

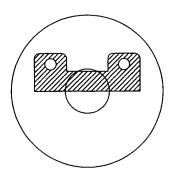


Fig. 3D

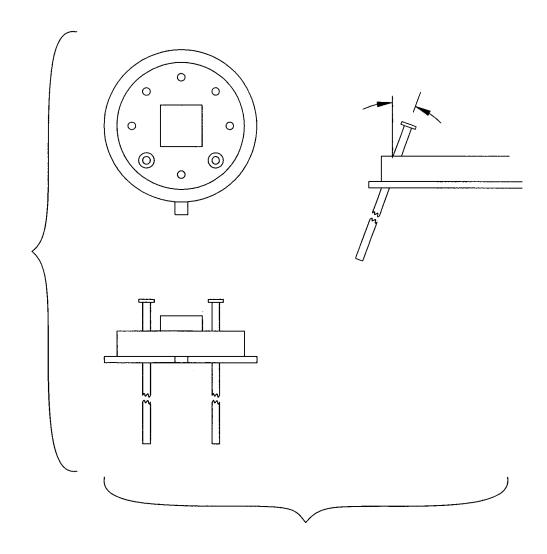


Fig. 4

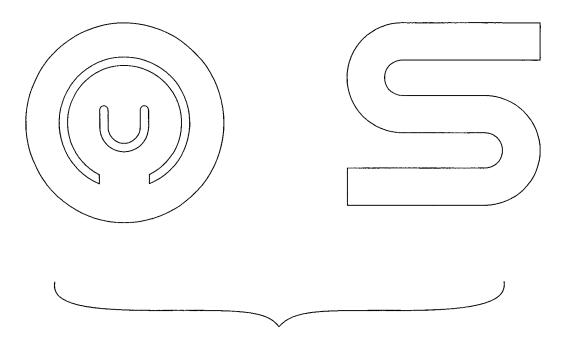
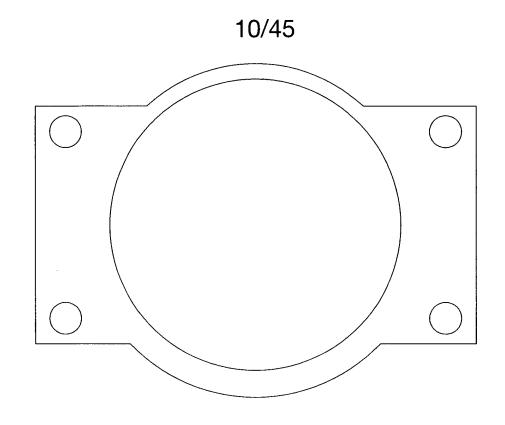


Fig. 5



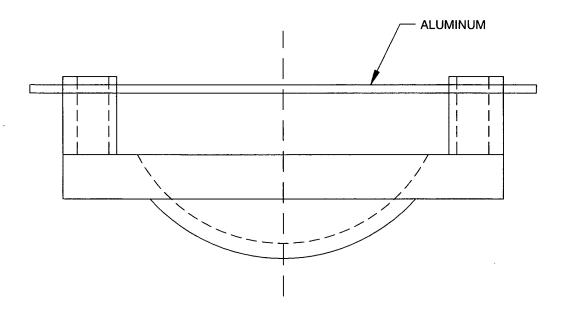


Fig. 6

IDEAL 575C BLACKBODY AND TEXTURED METAL RADIATOR

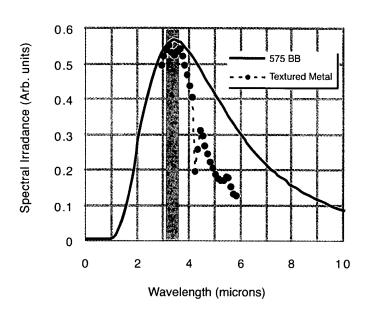


Fig. 7

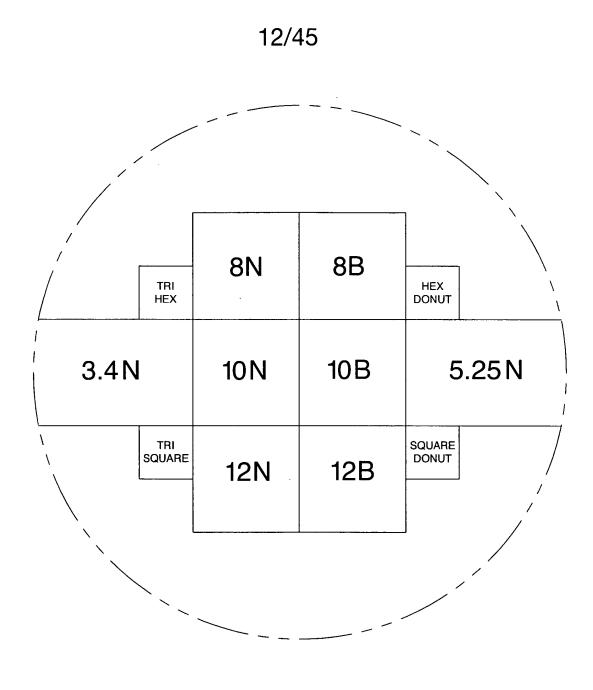


Fig. 7A(a)

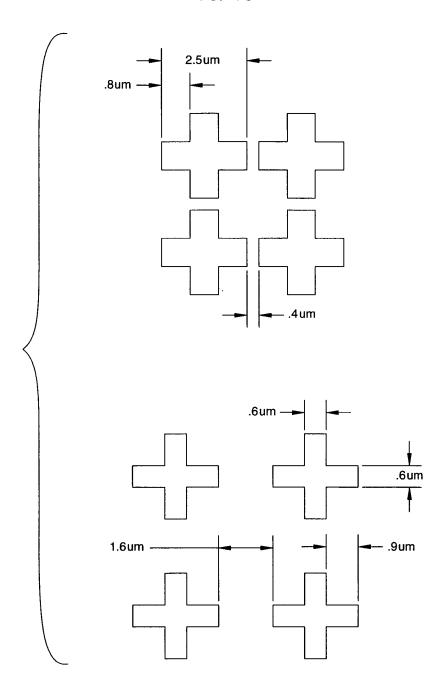


Fig. 7A(b)

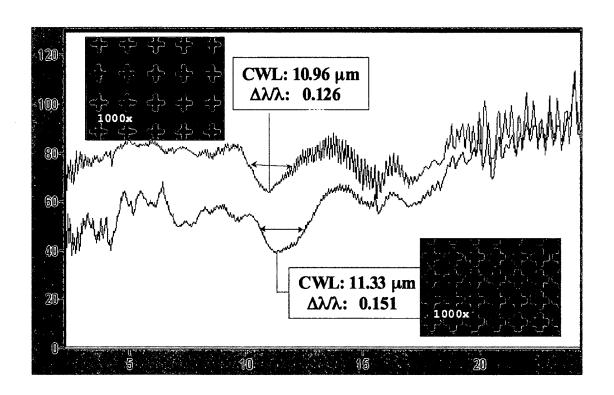


Fig. 7A(c)

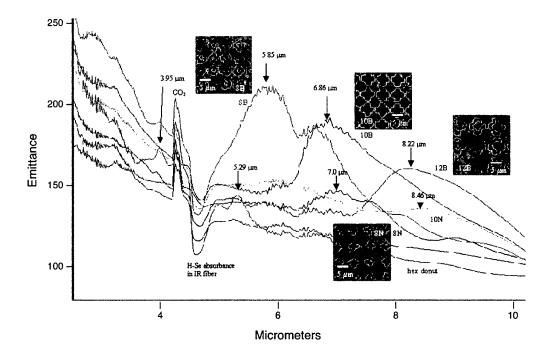


Fig. 7B

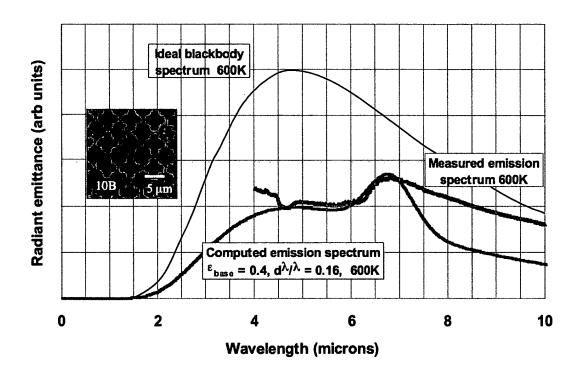


Fig. 7C

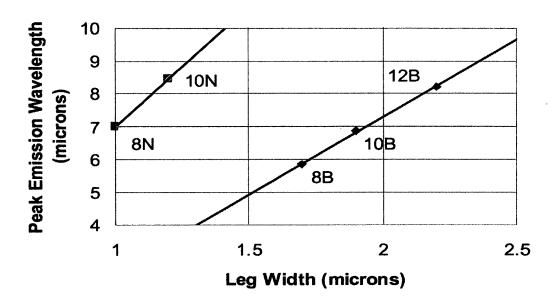


Fig. 7D(a)

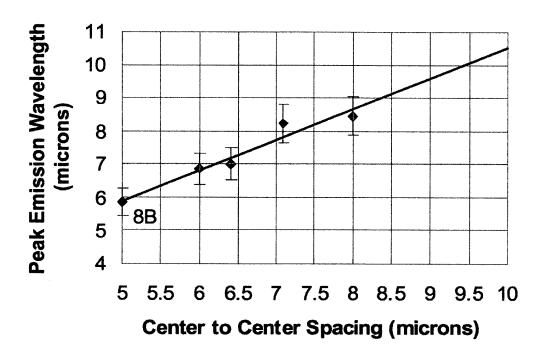


Fig. 7D(b)

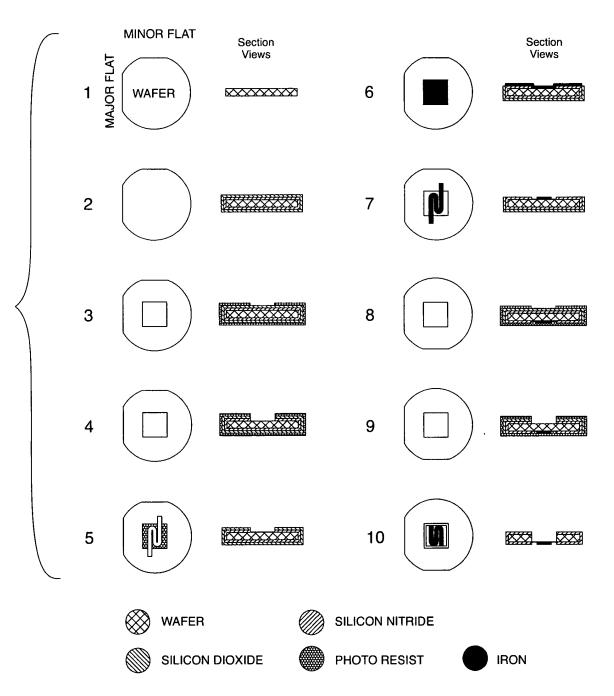


Fig.8A

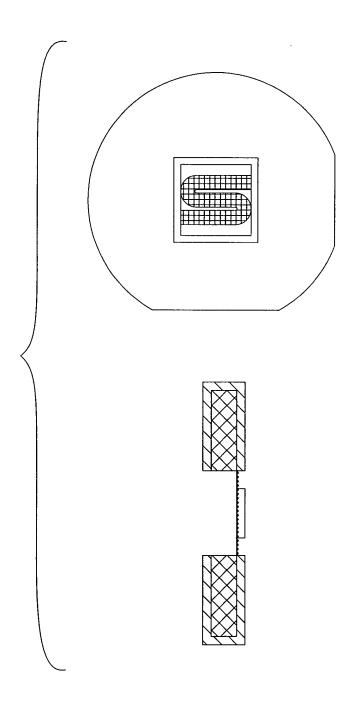
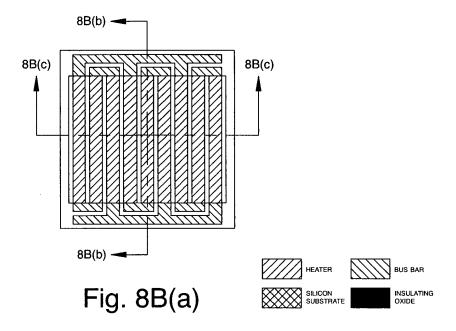
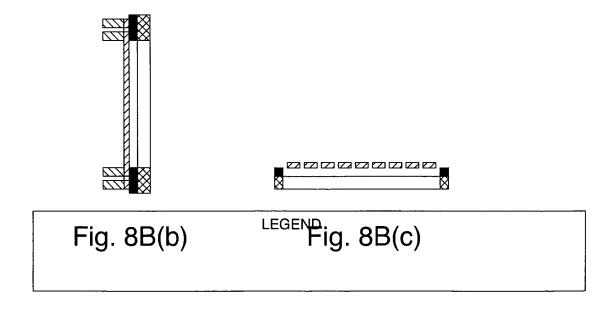


Fig. 8B





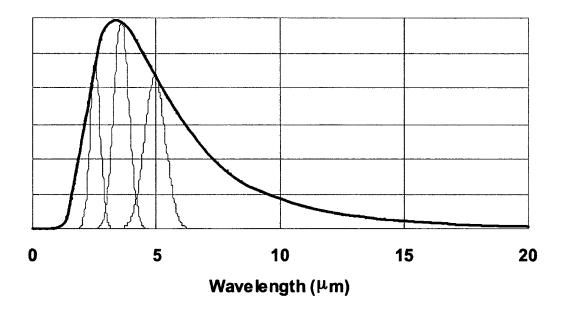


Fig. 9A

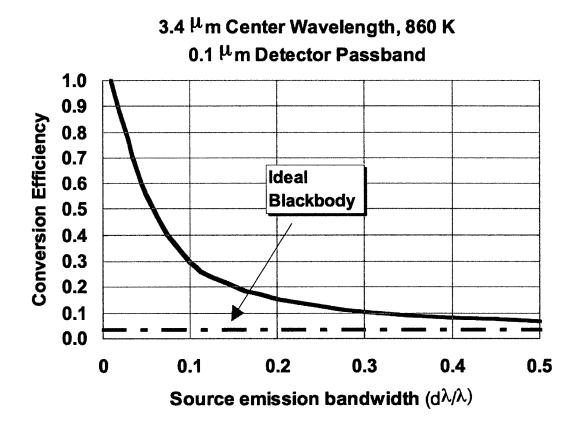


Fig. 9B

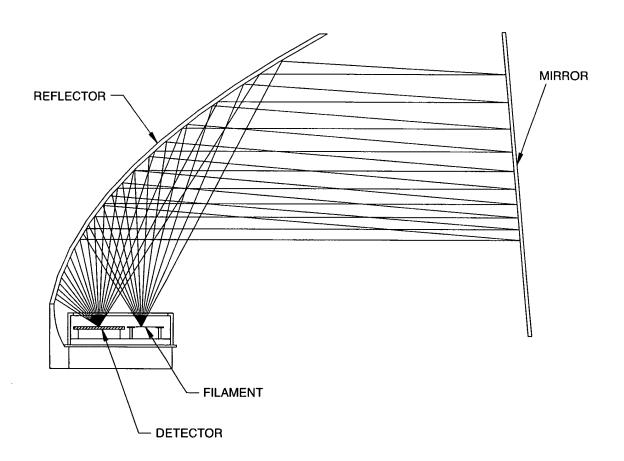
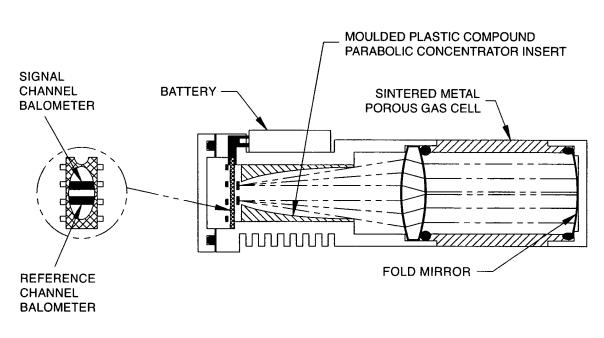


Fig. 10

PASSIVE REFLECTOR 2X10cm GAS PATH <u>100</u> SPECTRAL **FILTER** COMPOUND **PARABOLIC** CONCENTRATOR HEATED BOLOMETER **ELEMENT SENSOR ENGINE**

Fig. 11A

100



TUNED INFRARED TRANSMIT/RECEIVE MODULE IC

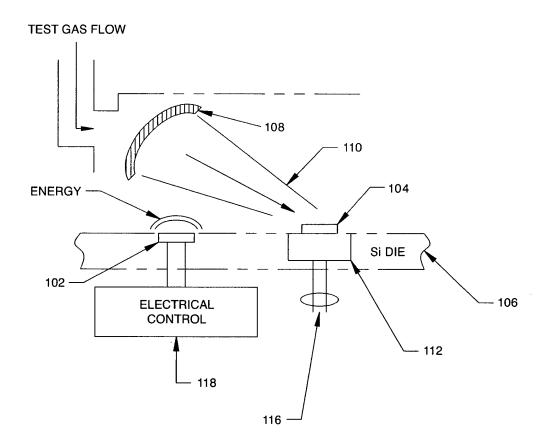


Fig. 11C

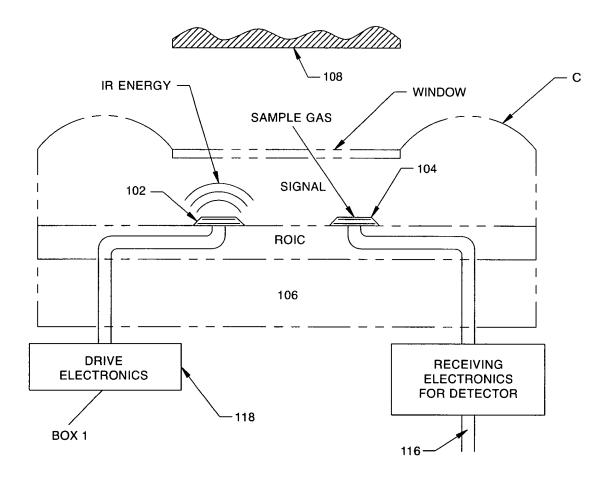


Fig. 11D

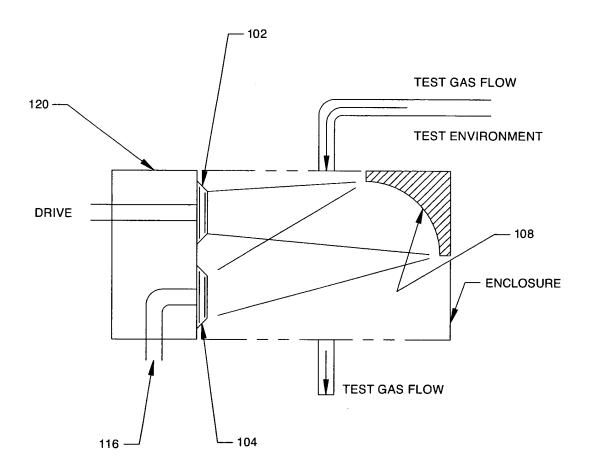


Fig. 11E

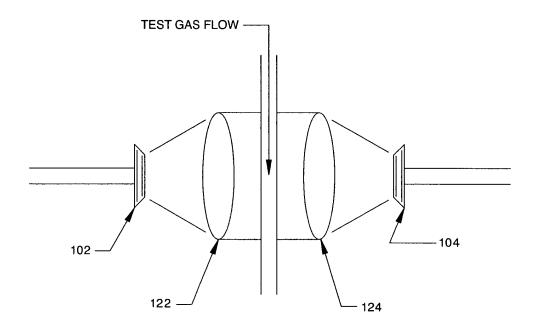
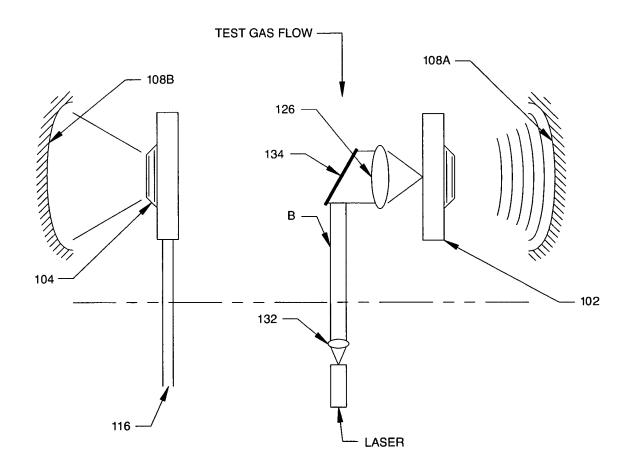


Fig. 11F



NON-ELECTRICAL SIMULATION

Fig. 11G

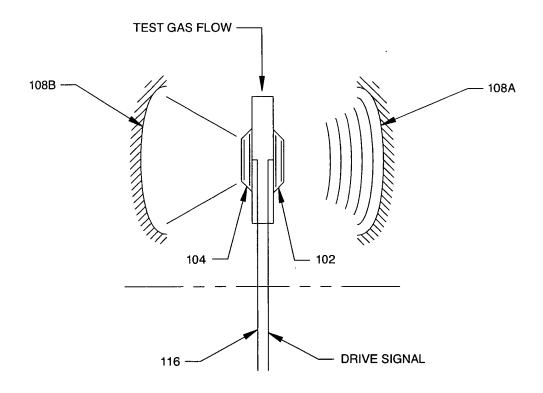


Fig. 11H

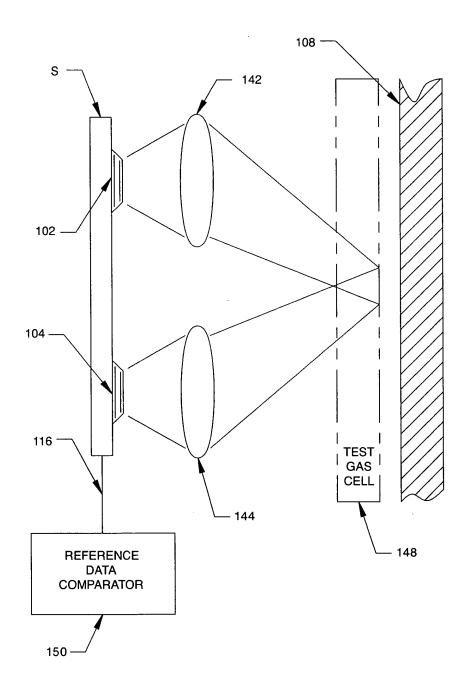


Fig. 11 I

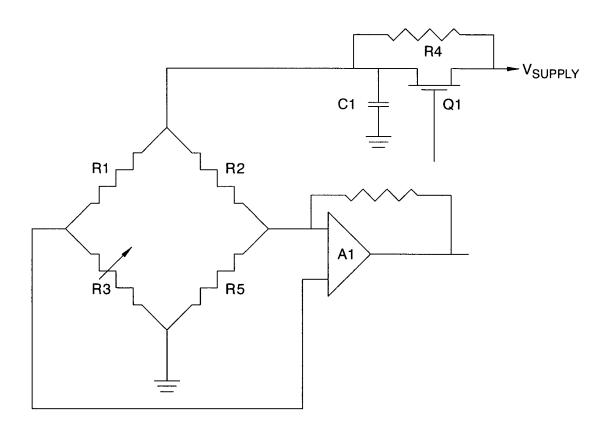


Fig. 12

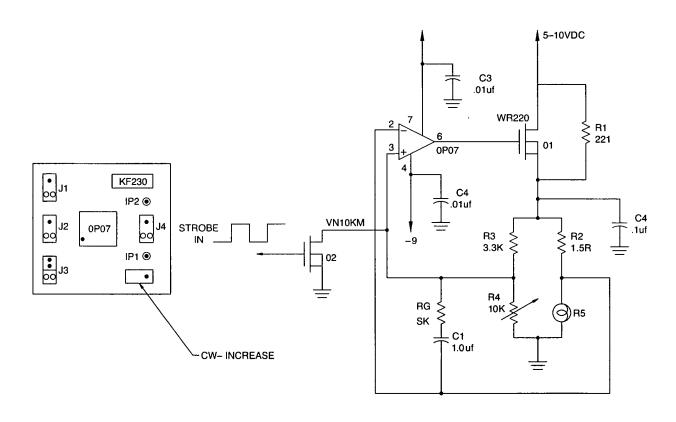


Fig. 13

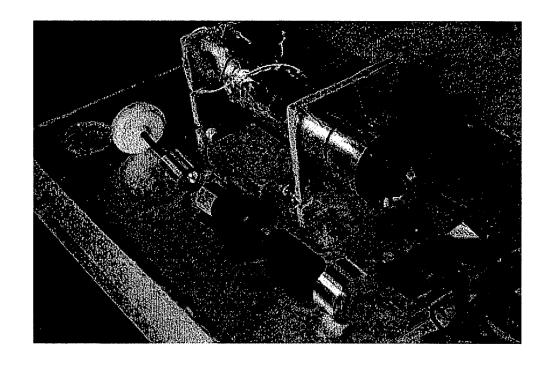


Fig. 14A

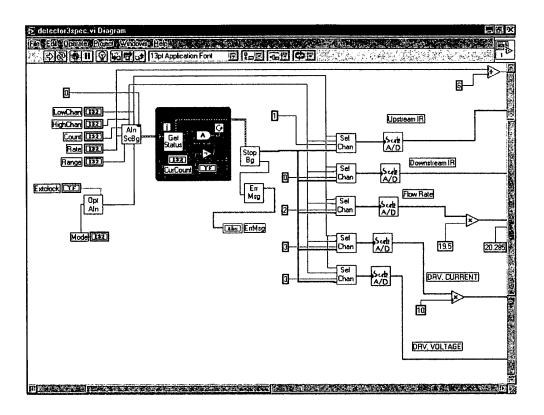


Fig. 14B

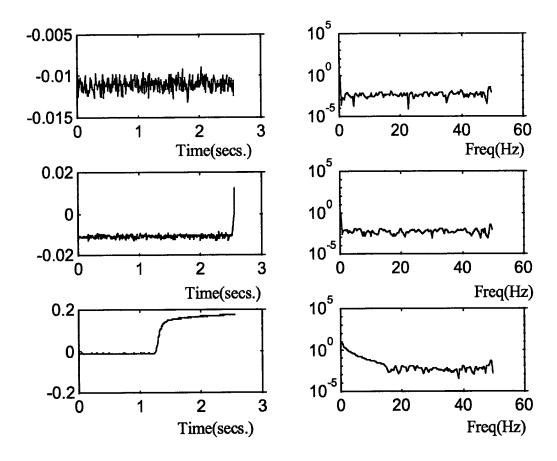


Fig. 15

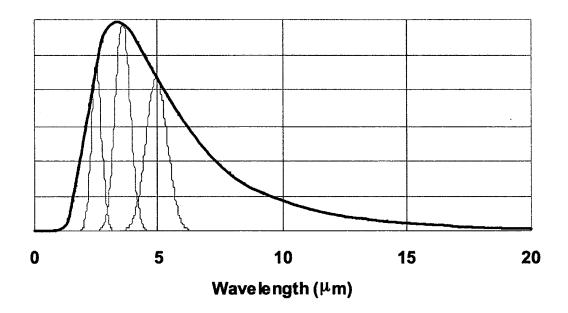


Fig. 16

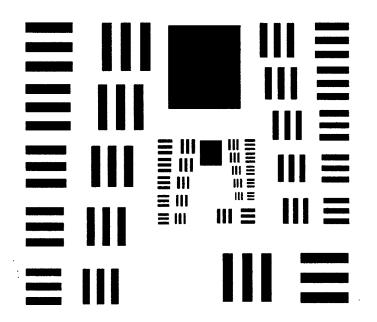


Fig. 17A

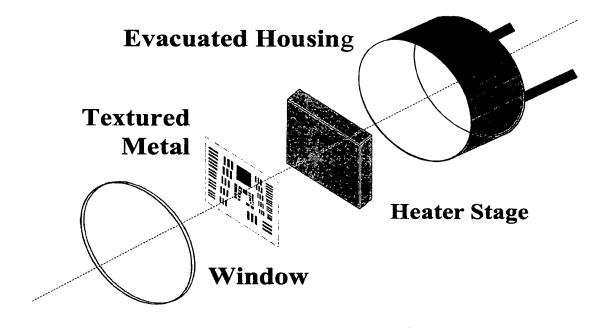


Fig. 17B

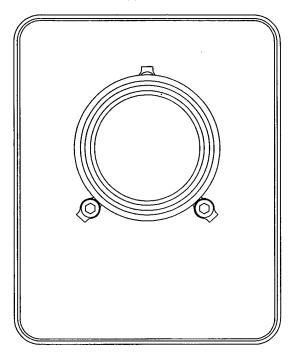


Fig. 18A

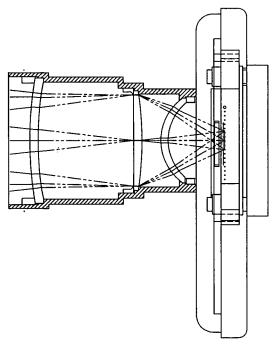
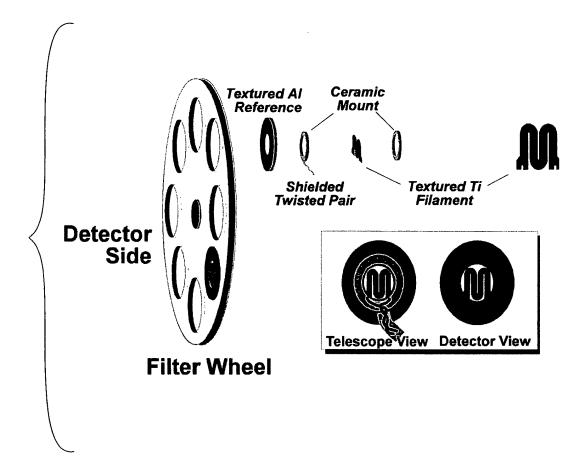


Fig. 18B



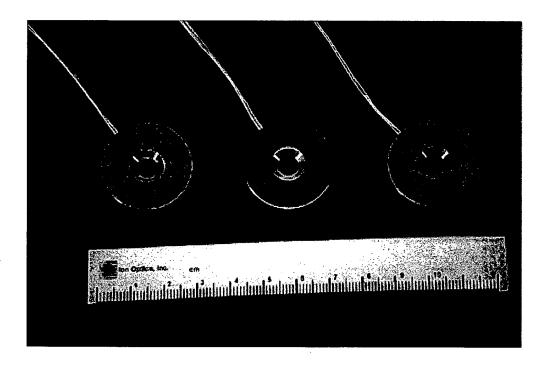


Fig. 19B